

# PATENT ABSTRACTS OF JAPAN

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(54) POWDER FOR MAGNETIC RECORDING MEDIUM AND METHOD FOR MANUFACTURING THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a manufacturing method of powder for magnetic recording medium which can manufacture high density recording medium simply at a low cost.

SOLUTION: This manufacturing method of ferrite oxide powder for magnetic recording medium comprises a complex solution forming process obtaining a complex solution by mixing metal nitrate composed of Fe, R and Me (where R is at least one kind among Ba and Sr, and Me is at least one kind out of Fe, Zn, Cu, Ni and Mn which are bivalent metals) in amino acid, and a heating process obtaining W-phase oxide magnetic particles represented by a general formula  $RMeFe_{16}O_{27}$  which is micronized uniformly and formed by self-igniting the residue generated by the evaporation of the solution by dissolving and heating the complex solution by using solvent at a temperature of at most 400°C and at least at the boiling temperature.

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